

REMARKS/ARGUMENTS

Applicant would like to thank the Examiner for the careful consideration given the present application. The application has been carefully reviewed in light of the Office action, and amended as necessary to more clearly and particularly describe the subject matter which applicant regards as the invention.

The Examiner rejected claims 4 and 5 under 35 U.S.C. 102(b) as being anticipated by Aoki (U.S. Pat. No. 4,900,884). Aoki does not teach all the limitations of claim 4. More specifically, Aoki does not teach “a means to monitor the voltage of the commercial power supply comprising an input current detector which detects a current value of the high-frequency inverter...characterized in that loss of voltage from the commercial power supply is detected and the controller stops the high-frequency inverter if the detection value of the input current detector has a predetermined difference from a target value continuously for a given time.” Aoki teaches a means to interrupt the inverter circuit by the detection of an improper load on a top plate. Referring to Figure 6 and to column 8 line 8 through column 9, line 6 of Aoki, Aoki discloses that if an improper load, such as an improper aluminum pan or a fork or knife is placed on the top plate (see column 8, lines 20–22) the operation of the inverter circuit will be interrupted (see column 9, lines 4–5). In addition, column 8, lines 36–42 explain that when a proper pan is placed on the top plate the input current to the inverter circuit is increased. Conversely, column 8, lines 57–59 explain that when the pan is deviated from its initial position on the top plate the input current to the inverter is decreased. Finally, column 9, lines 2–5 explain when a calculated value is smaller than the set value the microcomputer determines that the load is improper and interrupts the inverter circuit. Thus, Aoki teaches interrupting the inverter circuit by detection

of an improper load and not by monitoring the voltage of the commercial power supply.

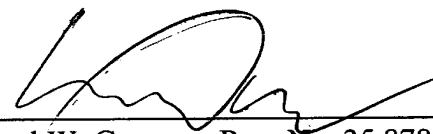
Therefore, Aoki does not teach all the limitations of claim 4.

Claim 5 depends from claim 4 thus all arguments pertaining to claim 4 are equally applicable to claim 5 and are herein incorporated by reference.

In light of the foregoing, it is respectfully submitted that the present application is in a condition for allowance and notice to that effect is hereby requested. If it is determined that the application is not in a condition for allowance, the Examiner is invited to initiate a telephone interview with the undersigned attorney to expedite prosecution of the present application.

If there are any additional fees resulting from this communication, please charge same to our Deposit Account No. 16-0820, our Order No. 34698US1.

Respectfully submitted,
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